Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 17 Dec 2022 until 23:59 on Sunday 18 Dec 2022

Forecast Issued on Saturday 17 Dec 2022 at 04:37

Confidence: High confidence in the change in weather type after outbreaks of sleet or snow today to a return to milder conditions along with wet and windy conditions for the Peak District. Lower confidence in the timing of the ingress of milder air on Sunday and precipitation type during the day.

Headline for Saturday 17 Dec 2022: Dry start but occasional wintery showers turning more to sleet or rain later today, fresh southwesterly winds. Significant windchill.

Mountain weather hazards on Saturday 17 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light snow	Light snow	Sleet	Sleet	Sleet
Precipitation probability					
20%	40%	60%	60%	60%	30%

Forecast for Saturday 17 Dec 2022

Weather: Outbreaks of snow will gradually arrive from the north, perhaps turning locally heavy. Snow above 400m at first but rising to above 800m by late afternoon, therefore the precipitation will turn increasing to rain or sleet. A few brighter spells are possible at first, but generally it will be cloudy with widespread hill fog developing. Late evening clear spells may develop.

Chance of cloud-free hill tops above 600m: 60% decreasing 20%. Late evening becoming 60%, perhaps 80%.

Low cloud and visibility: Broken or overcast cloud layers developing above 400m for western hills, broken to scattered above 500m in the east. Visibility falling poor or very poor with snow and hill fog, moderate or poor with rain and sleet, otherwise good visibility.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Saturday 17 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	23/31 SW	21/29 SW	21/29 SW	19/26 SW	19/27 SW	21/30 SW	20/31 S
300	16/26 SW	18/27 SW	18/26 SW	15/23 SW	15/25 SW	15/25 S	13/24 S
Valley	7/23 SW	9/24 S	9/22 SW	8/21 S	10/22 S	9/22 S	7/21 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-9	-0/-8	-0/-7	0/-6	1/-6	0/-6	0/-6
300	0/-6	1/-4	2/-4	3/-2	3/-2	2/-3	2/-3
Valley	0/-4	1/-3	2/-2	3/-1	3/-1	3/-1	2/-2
Freezing Level*	200m	400m	500m	700m	800m	800m	400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Freezing level lifting throughout today with precipitation turning more to sleet, then rain at low levels. Still a significant windchill at height on the hills and some melting will occur at lower levels.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 17 Dec 2022	0mm	0.2mm	0.8mm

Forecast for Sunday 18 Dec 2022

Weather: Clear spells at first, but with a risk of areas of low cloud developing, especially across southern areas. Becoming cloudy through the morning with a few outbreaks of sleet and snow arriving. Snow will soon spread northeast through the afternoon, with a risk of temporary blizzard conditions on higher tops. Late in the afternoon milder conditions arrive, with the snow turning to sleet then rain at all levels. Snow level above 400m at first, rising to above the summits in the afternoon. Rain will ease later to drizzle.

Maximum wind: Southerly 25mph with gusts 35-40mph.

Chance of cloud-free hill tops above 600m: 80%, perhaps 40% across southern areas, then generally falling to 10% or less as extensive cloud arrives.

Low cloud and visibility: Broken cloud above 300m for southern areas at first, then generally falling to 10% or less as extensive cloud above 400m arrives. Good decreasing poor or very poor with the snow and widespread hill fog, and also possible temporary blizzard conditions.

Temperature: **Valleys:** Plus 2 rising to 8 Celsius.
At 600m: Minus 2 rising to Plus 4 Celsius.
Freezing level: 200m in the morning, then rising above all summits in the afternoon.

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